**SOLVING TRIG EQUATIONS BY FACTORISING**

1. **Common Factors**

Example: Solve the equation for .

So or

Solving for

Solving for

So the solutions are

1. **Quadratic Factors**

Examples:

1. Solve for .

So or

Solving for

Solving for

So the solutions are .

1. Solve for .

Using . This identity was

chosen instead of the other two to keep all the terms

in the equation cos.

So or

Solving for

Solving for

So the solution is

Delta Ex 35.6 pg 344 Q 1b, 3, 4a, 4c, 4e, 4f

Extension: Q5 – 9